

DECLARATION AND POWER OF ATTORNEY

I, LAWRENCE W. CLARK, declare that I am a citizen of the United States of America, residing at Morton, Illinois, and that I believe I am one of the original, first, and joint inventors together with ROBERT W. RODGERSON of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A METHOD AND APPARATUS OF MANUFACTURING

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint W. Bryan McPherson III, Patent Office Reg. No. 41,988, telephone (309) 675-4015, J. Wesley Blumenshine, Patent Office Reg. No. 32,399, telephone (309) 675-5537, J. W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, and Dennis C. Skarvan, Patent Office Reg. No. 35,360, telephone (309) 675-6060, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: W. Bryan McPherson III, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

 July 23 2003
LAWRENCE W. CLARK Date

Post Office Address:

205 S. Shore Dr.

Morton, Illinois 61550

DECLARATION AND POWER OF ATTORNEY

I, ROBERT W. RODGERSON, declare that I am a citizen of the United States of America, residing at Greenville, South Carolina, and that I believe I am one of the original, first, and joint inventors together with LAWRENCE W. CLARK of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A METHOD AND APPARATUS OF MANUFACTURING

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7-22-03

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